















## BfS Nuclear Science Training Course with NUCLEONICA: Basic Nucleonica Applications

Thursday 3<sup>rd</sup> November  
Bundesamt für Strahlenschutz  
Köpenicker Allee 120-130  
10318 Berlin

### Basic Nucleonica Applications

10:30	 Welcome on behalf of the BfS	E. Kröger, BfS
10:40	 Nucleonica Overview	J. Magill, Nucleonica
11:00	 Radiological Quantities and Units	J. Magill
11:20	 Hands on exercises: Mass Activity Calculator	 Exercises Z. Soti, ITU
11:50	Case Study: Nuclide Mixtures	R. Dreher, Nucleonica
12:20 – Lunch		
13:00	 Gamma Dosimetry & Shielding (D&S)	J. Magill
13:25	 Hands on exercises: D&S	 Exercises Z. Soti
13:55	 Chart of Nuclides / Nuclear Data in Nucleonica	Z. Soti
14:20	 Hands on exercises: Nuclear Data	 Exercises Z. Soti
14:45 – Coffee		
15:00	 Radioactive Decay Calculations with Nucleonica	J. Magill
15:25	 Hands on exercises: Decay engine	 Exercises Z. Soti
15:55	Case Study: Fukushima I Decay Heat (using webKORIGEN, mixtures, GSG, WESPA)	J. Magill
16:30 – End of Session		